Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

Supplier's name or trade mark: ELMARK

Supplier's address: ELMARK INDUSTRIES SC, bul.Dobrudja 2, 9300 Dobrich Dobrich, BG

Model identifier: 99LED971E

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	Integrated LED		
Mains or non-mains:	MLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

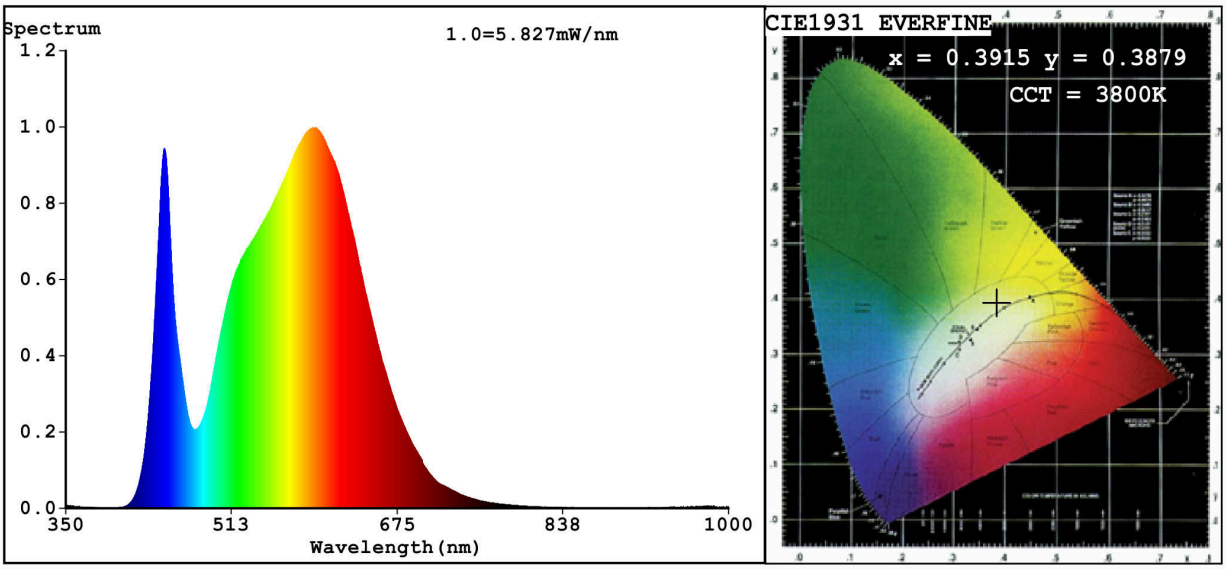
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	300 in Wide cone (120°)	Correlated colour temperature, rounded to the nearest 100 K, or the range of correlated colour temperatures, rounded to the nearest 100 K, that can be set	4 000
On-mode power (P_{on}), expressed in W	6,2	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,00
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	-	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	80
Outer dimensions without — Height	118	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	118		
Outer dimensions without — Depth	17		

separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,391 0,387
Parameters for directional light sources:				
Peak luminous intensity (cd)		594	Beam angle in degrees, or the range of beam angles that can be set	120
Parameters for LED and OLED light sources:				
R9 colour rendering index value		0	Survival factor	0,50
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,80	Colour consistency in McAdam ellipses	5
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.		-[(b)]	If yes then replacement claim (W)	-
Flicker metric (Pst LM)		0,0	Stroboscopic effect metric (SVM)	0,0

[(a)] '-' : not applicable;

[(b)] '-' : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.3915 y=0.3879/u'=0.2278 v'=0.5080

CCT=3800K(Duv=0.0021) Dominant WL:Ld =578.8nm WL:Lc = --nm Purity=33.9%

Ratio:R=18.5% G=78.6% B=2.9%¡¡Peak WL:Lp=592.4nm FWHM=145.3nm

Render Index:Ra=80.4

R1 =78	R2 =86	R3 =93	R4 =81	R5 =78	R6 =81	R7 =85	
R8 =61	R9 =0	R10=67	R11=80	R12=61	R13=79	R14=96	R15=71

Photo Parameters:

Flux = 327.5 lm Eff. : 52.19 lm/W Fe = 974.7 mW

Electrical parameters:

V = 220.04 V I = 0.03309 A P = 6.274 W PF = 0.8616

WHITE:ANSI_4000K

Status: Integral T = 179 ms Ip = 51115 (78%)

Model:LED PANEL ROUND	Number:99LED971
Tester:Atanas DAKOV	Date:2021-02-11 08:42:20
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7388